

REMARKS

The present amendment seeks to place the application in better conformance with U.S. practice. A page containing a revised abstract of the disclosure is enclosed.

Entry of the amendment is requested.

Respectfully submitted,

By



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VERSION WITH MARKINGS TO SHOW CHANGES

IN THE SPECIFICATION:

Please delete the title of the application appearing in pages 1 and 21 and insert therefor: --VINLYCYCLOHEXANE-BASED POLYMER/COPOLYMER MIXTURE AND STABILIZER SYSTEM--

IN THE ABSTRACT:

Please replace the abstract with the following:

--VINLYCYCLOHEXANE-BASED POLYMER/COPOLYMER
MIXTURE AND STABILIZER SYSTEM

ABSTRACT OF THE DISCLOSURE

A thermoplastic molding composition containing a (co)polymer of vinylcyclohexane and a stabilizer system is disclosed. The stabilizer system contains lactone, sterically hindered phenol and a phosphite compound. The composition that is characterized by its improved thermal stability is suitable for the preparation of molded articles, including optical data carriers.--

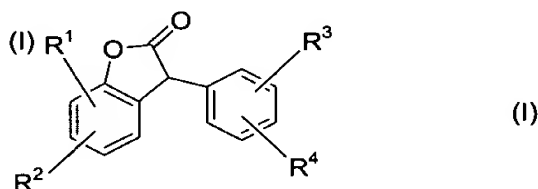
IN THE CLAIMS:

Cancel Claims 5, 8, 10, 11, 13, 14, 15, 16 and 17.

Please amend the following claims:

4. (Amended) Mixture according to [claim 1 to 3] Claim 1, containing as stabiliz[er] system the following compounds:

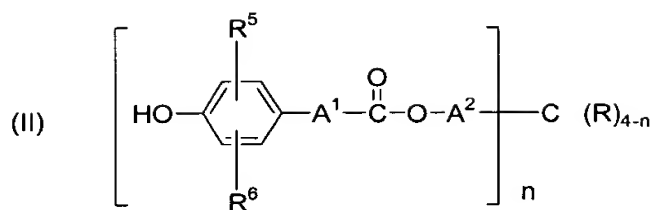
lactone corresponding to formula (I)



wherein

R¹, R², R³ and R⁴, independently of each other, represent hydrogen, C₁-C₆-alkyl, or a 5 or 6-membered ring alkyl,

sterically hindered phenol corresponding to formula (II)



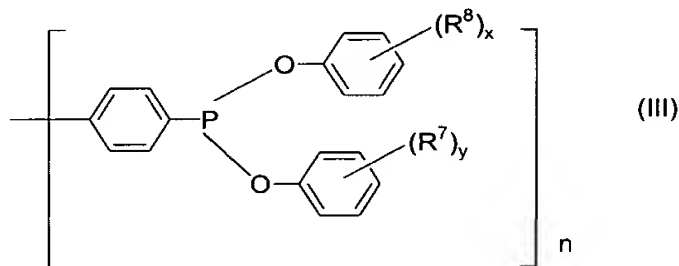
wherein

R^5 and R^6 , independently of each other, represent hydrogen or C_1 - C_6 -alkyl, a 5 or 6-membered ring,

n represents an integer from 1 to 4, and

R , independently, represents hydrogen, C_1 - C_6 -alkyl, C_1 - C_6 -alkoxy, a 5 or 6-membered ring,

phosphite component corresponding to formula (III)



wherein

R^7 and R^8 , independently of each other, represents hydrogen, C_1 - C_6 -alkyl, also as a 5 or 6-membered ring or as branched alkyl, and

x and y , independently of each other, represent 0, 1, 2, 3, 4, 5, and

n represents 1 or 2, wherein if $n = 1$ the free valence bond of the carbon atom is attached to hydrogen, C_1 - C_6 -alkyl, C_1 - C_6 -alkoxy or to 5,6 rings.

6. (Amended) Mixture according [to one more of the preceding claims] to Claim 4, wherein the stabilizer system contains

5 to 95 parts by wt. (based on component B) of compound(s) corresponding to formula I

5 to 95 parts by wt. (based on component B) of compound(s) corresponding to formula II

5 to 95 parts by wt. (based on component B) of compound(s) corresponding to formula III.

7. (Amended) Mixture [according to one or more of the preceding claims] according to Claim 4, wherein the stabili[s]zer system contains

5 to 60 parts by wt. (based on component B) of compound(s) corresponding to formula I

10 to 60 parts by wt. (based on component B) of compound(s) corresponding to formula II

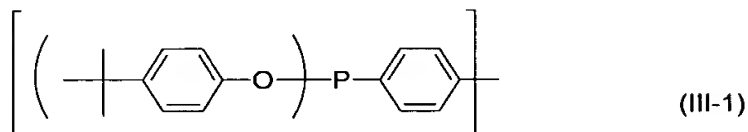
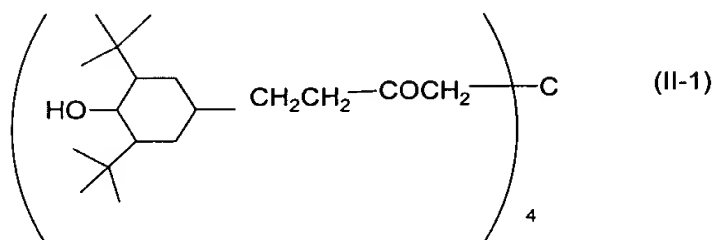
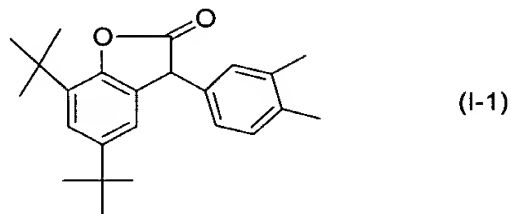
10 to 60 parts by wt. (based on component B) of compound(s) corresponding to formula III.

Add the following:

--18. A thermoplastic molding composition comprising

- (A) a (co)polymer of vinylcyclohexane and
- (B) a stabilizer system containing lactone, sterically hindered phenol and phosphite compound.

19. The thermoplastic molding composition of Claim 18 wherein stabilizer system contains



20. The thermoplastic molding composition of Claim 18 wherein said copolymer is of at least one monomer selected from the group consisting of olefin, alkyl ester of acrylic acid, alkyl ester of methacrylic acid, unsaturated cycloaliphatic hydrocarbon, styrene, alpha methyl styrene and styrene substituted in the nucleus, divinyl benzene, vinyl ester, vinyl acid, vinyl ether, vinyl acetate, vinyl cyanide and maleic anhydride.

21. A thermoplastic molding composition comprising

- (A) a (co)polymer of vinylcyclohexane having a predominantly syndiotactic diad configuration, and
- (B) a stabilizer system containing lactone, sterically hindered phenol and phosphite compound.

22. The thermoplastic molding composition of Claim 18 further comprising at least one member selected from the group consisting of processing aid, nucleating agent, mould release agent, dye, pigment, stabilizer and antistatic agent.

23. A method of using the mixture of Claim 1 comprising manufacturing a molded article.

24. The method of Claim 23 wherein article is a film.

25. The method of Claim 23 wherein article is an optical data carrier.

26. The molded article manufactured by the method of Claim 23.

27. The optical data carrier manufactured by the method of Claim 25.--

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